

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 04032459
PUBLICATION DATE : 04-02-92

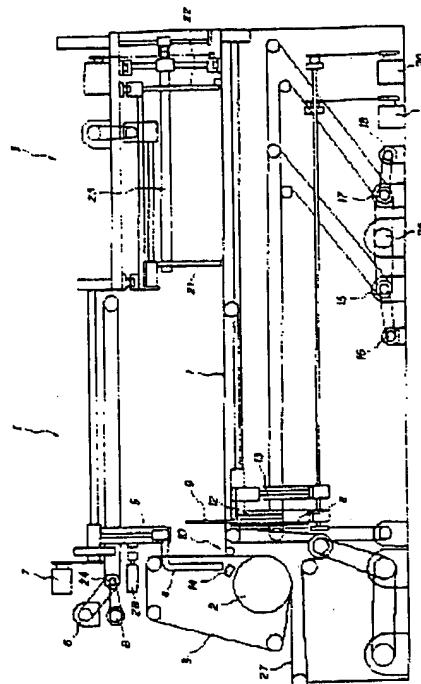
APPLICATION DATE : 25-05-90
APPLICATION NUMBER : 02136834

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INT.CL. : B65H 33/02 B65B 27/08 B65H 31/30

TITLE : DIVIDING FORK DRIVING CONTROL
METHOD IN AUTOMATIC DIVIDING
DEVICE FOR PRINTED BOOK AND
THE LIKE



ABSTRACT : PURPOSE: To improve work efficiency by determining a change position between a changing fork and other forks according to the position of each fork in relation to the stack length of a bundle of printed books detected/outputted by encoders fitted to the changing fork, a lower fork and/or a book end fork.

CONSTITUTION: A lower fork 11 and a book end fork 9 are lowered once after having delivered a bundle of printed books to a lateral feeding device II and pass under a free side lateral feed guide 21 so as to be returned to the proceeding side. A change position is detected from the moving distance signal, outputted from an encoder 8, of a changing fork 4 moved while supporting a bundle of printed books by the specified number to perform shift between the changing fork 4 and the book end fork 9. When the proceeding change fork 4 is brought in line with the lower fork 11 standing by in the return position, the lower fork 11 takes the place of the changing fork 4. The stack length of the printed book bundle is further detected by the encoder 16 of the lower fork 11 to determine the position of the free side guide 21. With this constitution, operation can be performed at high speed.

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